



MM4454.ST25.txt  
SEQUENCE LISTING

<110> Hitomi, Jiro  
Yamamura, Tokujiro  
Kimura, Tatsuji  
Yamaguchi, Ken

<120> Novel Calcium-Binding Proteins

<130> MM4454

<140> 09/910,208

<141> 2001-07-20

<160> 20

<170> PatentIn version 3.3

<210> 1

<211> 429

<212> DNA

<213> Bovine calcium binding protein

<220>

<221> exon

<222> (48)..(323)

<223> Amino acid sequence of calcium-binding protein from bovine amniotic fluid

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Leu Glu Asp His Leu Glu Gly Ile Ile Asn Ile Phe His Gln Tyr Ser	
5 10 15	
gtt cgg gtg ggg cat ttc gac acc ctc aac aag cgt gag ctg aag cag	152
Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys Gln	
20 25 30 35	
ctg atc aca aag gaa ctt ccc aaa acc ctc cag aac acc aaa gat caa	200
Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln	
40 45 50	
cct acc att gac aaa ata ttc caa gac ctg gat gcc gat aaa gac gga	248
Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly	
55 60 65	
gcc gtc agc ttt gag gaa ttc gta gtc ctg gtg tcc agg gtg ctg aaa	296
Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg Val Leu Lys	
70 75 80	
aca gcc cac ata gat atc cac aaa gag taggaagctc tttccagcaa	343
Thr Ala His Ile Asp Ile His Lys Glu	
85 90	
tgtccccaag aagacttacc cttctcctcc ctgaggctgc cttacccgag ggaagagaga	403
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MM4454.ST25.txt

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 <212> PRT  
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Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu Leu Lys  
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Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp  
 35 40 45

Gln Pro  
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Thr Ala His Ile Asp Ile His Lys Glu  
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Leu Pro Lys Thr Leu Gln Asn Thr Lys Asp Gln Pro Thr Ile Asp Lys  
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Ile Phe Gln Asp Leu Asp Ala Asp Lys Asp Gly Ala Val Ser Phe  
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Ile His Lys Glu  
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att gtc aat atc ttc cac caa tac tca gtt cgg aag ggg cat ttt gac 99  
Ile Val Asn Ile Phe His Gln Tyr Ser Val Arg Lys Gly His Phe Asp  
15 20 25

acc ctc tct aag ggt gag ctg aag cag ctg ctt aca aag gag ctt gca 147  
Thr Leu Ser Lys Gly Glu Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala  
30 35 40

aac acc atc aag aat atc aaa gat aaa gct gtc att gat gaa ata ttc 195  
 Asn Thr Ile Lys Asn Ile Lys Asp Lys Ala Val Ile Asp Glu Ile Phe  
 45 50 55

caa ggc ctg gat gct aat caa gat gaa cag gtc gac ttt caa gaa ttc 243  
Gln Gly Leu Asp Ala Asn Gln Asp Glu Gln Val Asp Phe Gln Glu Phe  
60 65 70

ata tcc ctg gta gcc att gcg ctg aag gct gcc cat tac cac acc cac 291  
Ile Ser Leu Val Ala Ile Ala Leu Lys Ala Ala His Tyr His Thr His  
75 80 85 90

aaa gag taggtagctc tctgaagctt tttacccagc aatgtcttca atgaggggtct 347  
Page 4

Lys Glu

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<400> 13

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<212> DNA

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<400> 16

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<210> 18  
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Glu Tyr Ser Val Arg Val Gly His Phe Asp Thr Leu Asn Lys Arg Glu  
20 25 30

Leu Lys Gln Leu Ile Thr Lys Glu Leu Pro Lys Thr Leu Gln Asn Thr  
35 40 45

Lys Asp Gln Pro Thr Ile Asp Lys Ile Phe Gln Asp Leu Asp Ala Asp  
50 55 60

Lys Asp Gly Ala Val Ser Phe Glu Glu Phe Val Val Leu Val Ser Arg  
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Val Leu Lys Thr Ala His Ile Asp Ile His Lys Glu  
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<211> 92  
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Gln Tyr Ser Val Arg Lys Gly His Phe Asp Thr Leu Ser Lys Gly Glu  
20 25 30

Leu Lys Gln Leu Leu Thr Lys Glu Leu Ala Asn Thr Ile Lys Asn Ile  
35 40 45

Lys Asp Lys Ala Val Ile Asp Glu Ile Phe Gln Gly Leu Asp Ala Asn  
50 55 60

Asn Asp Glu Gln Val Asp Phe Gln Glu Phe Ile Ser Leu Val Ala Ile  
65 70 75 80

Ala Leu Lys Ala Ala His Tyr His Thr His Lys Glu  
85 90